

# Memorandum

## Comments on the Cyanobacterial /Microcystin Toxin Summer 2005 Water Sampling Results for the Copco/Irongate Reservoirs.

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Date	M. Aeruginosa (cells/ml)	A. Flos (cells/ml)	Mycrocystin ( $\mu\text{g/L}$ )	Sample
July 13	11,402,943	38,383	667.27	CRSH
July 26	3,316,176	--	72.16	CRCC
July 27	5,534	1,217	0.92	IR03
July 27	NA	NA	98.38	IRSH

WHO Provisional TDI for Microcystin-LR	0.04 µg/kg BW body weight	1.0 µg/L for an Adult	
WHO GV for Moderate Risk (Recreational) Microcystin-LR	0.8 µg/kg BW	20 µg/L	100,000 cells/mL

	Adult	Child
WHO TDI	0.04 µg/kg BW	0.04 µg/kg BW
WHO GV	0.8 µg/kg BW	0.8 µg/kg BW
Calculated Recreational Exposure to Water Containing 667 µg/L Microcystin-LR	1.11 µg/kg BW (28x) (1.4x)	11.1 µg/kg BW (278x) (13.9x)